POLYMERUPDATE
INTELLIGENCE ANALYTICS CONFERENCES

COAL **CRUDE OIL** **NATURAL GAS**

DISTILLATION

NGLs/Condensate — PROCESSING

REFORMING / ISOMERIZATION CATALYTIC / HYDROCRACKING THERMAL CRACKING / COKING

| Methane | Propane | Butane | Gasoline | Jet/Kerosene | Diesel | Gasoil / VGO | Fuel oil | Lubricants | Wax | Asphalt | Coke | Sulphur |

Refinery Gases Naphtha PDH FCC Methane

CATALYTIC REFORMING STEAM CRACKING STEAM CRACKING

| Methane | Ethane | Propane/LPG | Butane |

GASIFICATION STEAM CRACKING STEAM CRACKING

OLEFINS Ethylene Propylene C4 stream Pygas/Reformate

Methanol Polyethylenes Ethylene oxide Acrylonitrile Polypropylene Propylene oxide Butadiene Benzene Toluene Mixed xylenes AROMATICS

Methanol
- Methyl methacrylate
- Polymethyl methacrylate
- Acetic acid
- Formaldehyde
- Polyurethane
- Resins
- Olefins
- MTBE (Fuel ether)

Polyethylenes
- LDPE
- HDPE
- LLDPE
- Ethylbenzene → Styrene
- EDC → PVC
- Ethyl alcohol
- ETBE
- VCM → PVC

Ethylene oxide
- Ethanolamines (ETA): MEA, TEA, DEA
- MEG → Polyesters
- Ethylene glycol
- EG ethers
- EG ethers acetates
- Solvents

Acrylonitrile
- ABS
- NBR
- SAN

Cumene
- Phenol
- Acetone

Acrylic acid
- Polyacrylate

Propylene oxide
- MPG
- Propylene glycol
- PG ethers
- PG ether acetates
- Polyols
- Polyurethane
- Polyester resins
- Solvents

Butyraldehyde
- 2-EH → Plasticisers
- NBA → n-Butylacetate
- IBA → Isobutyl acetate
- Solvents

Isopropanol
- Acetone
- Isopropyl acetate
- Solvents

Butadiene
- BR
- SBR
- SBL
- Isobutylene
  - PIB
  - Butyl rubbers
  - MTBE
- n-Butenes

Benzene
- Ethylbenzene → Styrene → SBR → PS, ABS/SAN
- Aniline → MDI
- UMaleic anhydridePR: PBT, BDO, UPR
- Cyclohexane → Caprolactam, Adipic acid → Nylons
- Alkylbenzene → Surfactants

Toluene
- TDI → PU
- Solvents

Mixed xylenes
- OX → PA → Plasticisers
- PX → DMT, PTA → Polyesters
- Metaxylene

Cumene
- Phenol → Phenolic resins
- Acetone → MMA → PMMA
- Bisphenol A → PC, Epoxy resin
- Solvents

Copyright 1999 - 2022 Polymerupdate.com